J. Electroanal. Chem., 360 (1993) 365
Elsevier Sequoia S.A., Lausanne

Author index

Abruña, H.D. 315
Albalat, R. 325
Aldaz, A. 89

Baba, R. 237
Baker, M.D. 343
Baruzzi, A.M. 211
Bertotti, M. 39
Bharathi, S. 347
Bidan, G. 189
Bieniasz, L.K. 119
Billon, M. 189
Brossard, L. 101

Cai, R. 237
Cedzynska, K. 161
Chen, Y.-L. 247
Chou, T.-C. 247
Clavilier, J. 325
Cui, C.Q. 177

Dazhong, S. 71
Díaz-Cruz, J.M. 1
Divisia-Blohorn, B. 189

Esteban, M. 1

Feliu, J.M. 325
Fidler, M.M. 221
Fujishima, A. 237

Galceran, J. 1
Garrard, W.N.C. 139
Gog, T. 315
Gómez, R. 325
Gründler, P. 309

Hashimoto, K. 237
Himeno, S. 299

Jeyakumar, D. 347
Joseph, J. 347

Kariv-Miller, E. 221
Katano, H. 299
Katz, E. 337
Kern, J.M. 189
Kirbs, A. 309
Kubota, Y. 237

Lahrichi, A. 261
Lasia, A. 101
Lee, J.Y. 177
Lihua, N. 71
Linton, D.C. 161
Los, P. 101

Maeda, K. 299
Martins, A. 199
Mas, F. 1
Materlik, G. 315
Ménard, H. 101
Möller, A. 309
Morallón, E. 89

Navarro, J. 55

Ohno, H. 27
Orts, J.M. 325
Osakai, T. 299

Partridge, A.C. 139
Phani, K.L.N. 347
Pitchumani, S. 347
Puy, J. 1

Raicheva, S. 271
Rao, G.P. 347
Roig, A. 55

Saito, A. 299
Salvador, J. 1
Satoh, H. 27
Sauvage, J.P. 189
Schmidt, H.-L. 337
Senaratne, C. 343
Shouzhuo, Y. 71
Silva, F. 199
Slavcheva, E. 271
Sokolova, E. 271
Solis, V. 211
Sottomayor, M.J. 199
Su, X.H. 177
Svetličić, V. 221

Tadjeddine, A. 261
Tamarit, R. 55
Tokoro, R. 39
Tourillon, G. 261

Uelhoff, W. 315

Vázquez, J.L. 89
Vicente, F. 55

Wang, E. 293
Wang, Z. 283
Will, F.G. 161
Wu, Y. 283

Yudi, L.M. 211

Zerihun, T. 309
Zhai, R.S. 89
Zhou, M.S. 177
Zhou, Y. 293
Zhu, G. 293

J. Electroanal. Chem., 360 (1993) 367–371
Elsevier Sequoia S.A., Lausanne

Subject index

Adaptive grids
Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. Part 1. Introductory exploration of the finite-difference adaptive moving grid solution of the one-dimensional fast homogeneous reaction–diffusion problem with a reaction layer (Bieniasz) 119
Adsorbed iodine
Displacement of adsorbed iodine on platinum single-crystal electrodes by irreversible adsorption of CO at controlled potential (Clavilier et al.) 325
Alkaline solutions
Impedance studies of porous lanthanum-phosphate-bonded nickel electrodes in concentrated sodium hydroxide solution (Los et al.) 101
Alkyl viologens
Solubility, diffusion coefficient and ionic conductivity of alkyl viologens in poly(ethylene oxide) and its derivatives (Ohno, Satoh) 27
Alloy modification
Metals and alloys bonded on solid polymer electrolyte for electrochemical reduction of pure benzaldehyde without liquid supporting electrolyte (Chen, Chou) 247
Aniline
Modified polyaniline through simultaneous electrochemical polymerization of aniline and metanilic acid (Lee et al.) 177
Anion effects
Stability of Prussian Blue films on ITO electrodes: effect of different anions (Roig et al.) 55
Antibiotics
Quantitative determination of erythromycin and its hydrolysis products by cyclic voltammetry at the interface between water and 1,2-dichloroethane (Yudi et al.) 211
Antimony cathodes
An electrochemical study of antimony cathodes in tetraalkylammonium electrolyte solutions (Fidler et al.) 221
Aqueous perchloric acid
The temperature coefficient of the potential of zero charge of stepped faces of gold in contact with aqueous perchloric acid solutions (Silva et al.) 199

Benzaldehyde
Metals and alloys bonded on solid polymer electrolyte for electrochemical reduction of pure benzaldehyde without liquid supporting electrolyte (Chen, Chou) 247

Channel electrode
The theory of in-situ electrochemical ESR at a channel electrode: EC_2 reaction (Wang, Wu) 283
Characterization
Quantitative determination of erythromycin and its hydrolysis products by cyclic voltammetry at the interface between water and 1,2-dichloroethane (Yudi et al.) 211
Compton-Coles cell
The theory of in-situ electrochemical ESR at a channel electrode: EC_2 reaction (Wang, Wu) 283
Concentration dependence
Temperature and concentration dependence of the activity of quinones of presumed inhibiting action (Slavcheva et al.) 271
Copper
In-situ X-ray absorption near-edge structure:

a probe of the oxidation state of underpotentially adsorbed metals (Tadjeddine et al.) 261

Corrosion protection
Temperature and concentration dependence of the activity of quinones of presumed inhibiting action (Slavcheva et al.) 271

Cross-linkage effects
Electropolymerization of a homologous series of dipyrrol-1-ylalkanes (Garrard, Partridge) 139

Diffusion coefficient
Solubility, diffusion coefficient and ionic conductivity of alkyl viologens in poly(ethylene oxide) and its derivatives (Ohno, Satoh) 27

Dimeric Mo(V)
Polarographic and coulometric studies on aquo ions of molybdenum in 0.1 M H_2SO_4 (Bertotti, Tokoro) 39

Dipyrrol-1-ylalkanes
Electropolymerization of a homologous series of dipyrrol-1-ylalkanes (Garrard, Partridge) 139

EC_2 reaction
The theory of in-situ electrochemical ESR at a channel electrode: EC_2 reaction (Wang, Wu) 283

Electrical equivalent models
Impedance studies of porous lanthanum-phosphate-bonded nickel electrodes in concentrated sodium hydroxide solution (Los et al.) 101

Electrical properties
Electropolymerization of a homologous series of dipyrrol-1-ylalkanes (Garrard, Partridge) 139

Electrocatalysis
The promoter action of a polyaniline film electrode on the electrochemical reaction of mercapto-ethanol (Zhou et al.) 293

Electrochemical cells
Reproducible tritium generation in electrochemical cells employing palladium cathodes with high deuterium loading (Will et al.) 161

Electrochemical characterization
Tangled 3-functionalized polypyrrole derivatives built around $Cu(dpp)_2^+$ (dpp = 2,9-diphenyl-1,10-phenanthroline) (Bidan et al.) 189

Electrochemical ESR
The theory of in-situ electrochemical ESR at a channel electrode: EC_2 reaction (Wang, Wu) 283

Electrochemical kinetic equations
Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. Part 1. Introductory exploration of the finite-difference adaptive moving grid solution of the one-dimensional fast homogeneous reaction–diffusion problem with a reaction layer (Bieniasz) 119

Electrochemical polymerization
Modified polyaniline through simultaneous electrochemical polymerization of aniline and metanilic acid (Lee et al.) 177

Electrochemical reduction
Metals and alloys bonded on solid polymer electrolyte for electrochemical reduction of pure benzaldehyde without liquid supporting electrolyte (Chen, Chou) 247

Electrogeneration
An electrochemical study of antimony cathodes in tetraalkylammonium electrolyte solutions (Fidler et al.) 221

Electron transfer to redox enzyme
Photoelectrochemistry of TiO_2 particles: efficient electron transfer from the TiO_2 particles to a redox enzyme (Cai et al.) 237

Electropolymerization
Electropolymerization of a homologous series of dipyrrol-1-ylalkanes (Garrard, Partridge) 139
Tangled 3-functionalized polypyrrole derivatives built around $Cu(dpp)_2^+$ (dpp = 2,9-diphenyl-1,10-phenanthroline) (Bidan et al.) 189

Equivalent circuit model
A new type of piezoelectric detector in liquid. Part 2. Computation of the equivalent circuit parameters of a piezoelectric crystal with a separated electrode and of series piezoelectric sensors in a non-electrolyte solution (Dazhong et al.) 71

Erythromycin
Quantitative determination of erythromycin and its hydrolysis products by cyclic voltammetry at the interface between water and 1,2-dichloroethane (Yudi et al.) 211

Film stability
Stability of Prussian Blue films on ITO elec-

trodes: effect of different anions (Roig et al.) 55

Gold
The temperature coefficient of the potential of zero charge of stepped faces of gold in contact with aqueous perchloric acid solutions (Silva et al.) 199

Heteropoly anions
Linear dependence of the standard ion transfer potentials of heteropoly and isopoly anions at the 1,2-dichloroethane/water interface on their surface charge densities (Osakai et al.) 299
Hydrogen evolution reaction
Impedance studies of porous lanthanum-phosphate-bonded nickel electrodes in concentrated sodium hydroxide solution (Los et al.) 101
Hydrolysis products
Quantitative determination of erythromycin and its hydrolysis products by cyclic voltammetry at the interface between water and 1,2-dichloroethane (Yudi et al.) 211

Impedance spectroscopy
Impedance studies of porous lanthanum-phosphate-bonded nickel electrodes in concentrated sodium hydroxide solution (Los et al.) 101
Implicit finite-difference method
The theory of in-situ electrochemical ESR at a channel electrode: EC_2 reaction (Wang, Wu) 283
Ionic conductivity
Solubility, diffusion coefficient and ionic conductivity of alkyl viologens in poly(ethylene oxide) and its derivatives (Ohno, Satoh) 27
Irreversible adsorption
Displacement of adsorbed iodine on platinum single-crystal electrodes by irreversible adsorption of CO at controlled potential (Clavilier et al.) 325
Isopoly anions
Linear dependence of the standard ion transfer potentials of heteropoly and isopoly anions at the 1,2-dichloroethane/water interface on their surface charge densities (Osakai et al.) 299

ITIES
Quantitative determination of erythromycin and its hydrolysis products by cyclic voltammetry at the interface between water and 1,2-dichloroethane (Yudi et al.) 211
Linear dependence of the standard ion transfer potentials of heteropoly and isopoly anions at the 1,2-dichloroethane/water interface on their surface charge densities (Osakai et al.) 299

Labile metal–complex systems
Voltammetry of labile metal–complex systems with induced reactant adsorption. Theoretical analysis for any ligand-to-metal ratio (Puy et al.) 1
Lanthanum-phosphate-bonded nickel electrodes
Impedance studies of porous lanthanum-phosphate-bonded nickel electrodes in concentrated sodium hydroxide solution (Los et al.) 101

Mathematical models
Voltammetry of labile metal–complex systems with induced reactant adsorption. Theoretical analysis for any ligand-to-metal ratio (Puy et al.) 1
Mechanical properties
Electropolymerization of a homologous series of dipyrrol-1-ylalkanes (Garrard, Partridge) 139
Mercaptoethanol
The promoter action of a polyaniline film electrode on the electrochemical reaction of mercapto-ethanol (Zhou et al.) 293
Metal hexacyanoferrates
Reply to the comment on "zeolite matrix effects on the electrochemistry of metal hexacyanoferrates" (Bharathi et al.) 347
Metal modification
Metals and alloys bonded on solid polymer electrolyte for electrochemical reduction of pure benzaldehyde without liquid supporting electrolyte (Chen, Chou) 247
Metal–water interactions
The temperature coefficient of the potential of zero charge of stepped faces of gold in contact with aqueous perchloric acid solutions (Silva et al.) 199
Metanilic acid
Modified polyaniline through simultaneous electrochemical polymerization of aniline and metanilic acid (Lee et al.) 177

Micro electrodes
A simple method for heating micro electrodes in-situ (Gründler et al.) 309
Molybdenum electrochemistry
Polarographic and coulometric studies on aquo ions of molybdenum in 0.1 M H_2SO_4 (Bertotti, Tokoro) 39
Molybdenum equations
Polarographic and coulometric studies on aquo ions of molybdenum in 0.1 M H_2SO_4 (Bertotti, Tokoro) 39

Nickel
In-situ X-ray absorption near-edge structure: a probe of the oxidation state of underpotentially adsorbed metals (Tadjeddine et al.) 261

Palladium cathodes
Reproducible tritium generation in electrochemical cells employing palladium cathodes with high deuterium loading (Will et al.) 161
Photoelectrochemistry
Photoelectrochemistry of TiO_2 particles: efficient electron transfer from the TiO_2 particles to a redox enzyme (Cai et al.) 237
Piezoelectric crystal
A new type of piezoelectric detector in liquid. Part 2. Computation of the equivalent circuit parameters of a piezoelectric crystal with a separated electrode and of series piezoelectric sensors in a non-electrolyte solution (Dazhong et al.) 71
Piezoelectric detector
A new type of piezoelectric detector in liquid. Part 2. Computation of the equivalent circuit parameters of a piezoelectric crystal with a separated electrode and of series piezoelectric sensors in a non-electrolyte solution (Dazhong et al.) 71
Platinum(111) electrode
Behaviour of Pt(111) in the presence of the sulphate anions in NaOH solution (Morallón et al.) 89
Platinum single-crystal electrodes
Displacement of adsorbed iodine on platinum single-crystal electrodes by irreversible adsorption of CO at controlled potential (Clavilier et al.) 325
Polyaniline film electrode
The promoter action of a polyaniline film electrode on the electrochemical reaction of mercapto-ethanol (Zhou et al.) 293
Polyaniline modification
Modified polyaniline through simultaneous electrochemical polymerization of aniline and metanilic acid (Lee et al.) 177
Polymer structure
Modified polyaniline through simultaneous electrochemical polymerization of aniline and metanilic acid (Lee et al.) 177
Potential of zero charge
The temperature coefficient of the potential of zero charge of stepped faces of gold in contact with aqueous perchloric acid solutions (Silva et al.) 199
Prussian Blue films on ITO electrodes
Stability of Prussian Blue films on ITO electrodes: effect of different anions (Roig et al.) 55

Quinone activity
Temperature and concentration dependence of the activity of quinones of presumed inhibiting action (Slavcheva et al.) 271

Reactant adsorption
Voltammetry of labile metal–complex systems with induced reactant adsorption. Theoretical analysis for any ligand-to-metal ratio (Puy et al.) 1
Reaction–diffusion problems
Use of dynamically adaptive grid techniques for the solution of electrochemical kinetic equations. Part 1. Introductory exploration of the finite-difference adaptive moving grid solution of the one-dimensional fast homogeneous reaction–diffusion problem with a reaction layer (Bieniasz) 119
Redox enzyme
Photoelectrochemistry of TiO_2 particles: efficient electron transfer from the TiO_2 particles to a redox enzyme (Cai et al.) 237

Separated electrode
A new type of piezoelectric detector in liquid. Part 2. Computation of the equivalent circuit parameters of a piezoelectric crystal with a separated electrode and of series piezoelectric sensors in a non-electrolyte solution (Dazhong et al.) 71
Series piezoelectric sensors
A new type of piezoelectric detector in liquid. Part 2. Computation of the equivalent circuit parameters of a piezoelectric crystal

with a separated electrode and of series piezoelectric sensors in a non-electrolyte solution (Dazhong et al.) 71

Solid polymer electrolyte
Metals and alloys bonded on solid polymer electrolyte for electrochemical reduction of pure benzaldehyde without liquid supporting electrolyte (Chen, Chou) 247

Solubility
Solubility, diffusion coefficient and ionic conductivity of alkyl viologens in poly(ethylene oxide) and its derivatives (Ohno, Satoh) 27

Stability constants
Voltammetry of labile metal–complex systems with induced reactant adsorption. Theoretical analysis for any ligand-to-metal ratio (Puy et al.) 1

Standard ion transfer potentials
Linear dependence of the standard ion transfer potentials of heteropoly and isopoly anions at the 1,2-dichloroethane/water interface on their surface charge densities (Osakai et al.) 299

Stepped faces
The temperature coefficient of the potential of zero charge of stepped faces of gold in contact with aqueous perchloric acid solutions (Silva et al.) 199

Sulphate anion electrochemistry
Behaviour of Pt(111) in the presence of the sulphate anions in NaOH solution (Morallón et al.) 89

Surface charge density
Linear dependence of the standard ion transfer potentials of heteropoly and isopoly anions at the 1,2-dichloroethane/water interface on their surface charge densities (Osakai et al.) 299

Tangled 3-functionalized polypyrrole derivatives
Tangled 3-functionalized polypyrrole derivatives built around $Cu(dpp)_2^+$ (dpp = 2,9-diphenyl-1,10-phenanthroline) (Bidan et al.) 189

Temperature dependence
Temperature and concentration dependence of the activity of quinones of presumed inhibiting action (Slavcheva et al.) 271

Temperature effects
The temperature coefficient of the potential of zero charge of stepped faces of gold in contact with aqueous perchloric acid solutions (Silva et al.) 199

Tetraalkylammonium electrolyte solutions
An electrochemical study of antimony cathodes in tetraalkylammonium electrolyte solutions (Fidler et al.) 221

Tetraalkylammonium-metals
An electrochemical study of antimony cathodes in tetraalkylammonium electrolyte solutions (Fidler et al.) 221

TiO_2 particles
Photoelectrochemistry of TiO_2 particles: efficient electron transfer from the TiO_2 particles to a redox enzyme (Cai et al.) 237

Tritium
Reproducible tritium generation in electrochemical cells employing palladium cathodes with high deuterium loading (Will et al.) 161

Underpotential deposition
In-situ X-ray absorption near-edge structure: a probe of the oxidation state of underpotentially adsorbed metals (Tadjeddine et al.) 261

Zeolite-hexacyanoferrate modified electrodes
The electrochemistry exhibited by zeolite-hexacyanoferrate modified electrodes. A comment on the paper by Bharathi, Phani, Joseph, Pitchumani, Jeyakumar and Rao (Baker, Senaratne) 343

Zeolite matrix
Reply to the comment on "zeolite matrix effects on the electrochemistry of metal hexacyanoferrates" (Bharathi et al.) 347